



Our Ref.: 51876.P230

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yeon-Soo Kim, Young-Hee Shin and Joon-Ho Lee

Application No.: 09/752,670

Filed: December 28, 2000

For: APPARATUS AND METHOD FOR
DETECTING SIGNALS OF SPACE-
TIME CODING BASED ON
TRANSMISSION DIVERSITY

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

In response to the communication from the Patent Office dated February 9, 2001, on the above-referenced utility patent application, enclosed herewith are a copy of the Notice, the executed Declaration and Power of Attorney, and our check numbered 20202 in the amount of one hundred thirty dollars (\$130.00) as the total amount owed for a large entity. Please charge any additional fees to Deposit Account No. 02-2666. A duplicate of this sheet is enclosed for this purpose.

Also submitted herewith is a substitute specification in compliance with 37 CFR 1.52 and substitute drawings in compliance with 37 CFR 1.84. No new matter has been added to the specification or the drawings.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

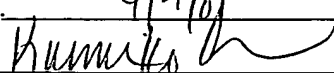
Date: 4/4/01


Eric S. Hyman Reg. No. 30,139

12400 Wilshire Boulevard, Seventh Floor
Los Angeles, California 90025
(310) 207-3800

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service as first
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Patents and Trademarks, Washington, D.C. 20231
on: 4/9/01


Kumiko Alexander

4/9/01
Date

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

YEON-SOO KIM, ET AL.

Application No.: 09/752,670

Filed: December 28, 2000

For: **APPARATUS AND METHOD FOR
DETECTING SIGNALS OF
SPACE-TIME CODING BASED ON
TRANSMISSION DIVERSITY**

Art Group:

Examiner:

Assistant Commissioner for Patents
BOX ISSUE FEE
Washington, D.C. 20231

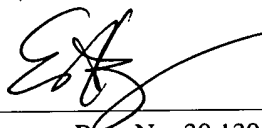
TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 4 sheets including 6 Figures. Applicant hereby authorizes any additional extension or petition fees under 37 C.F.R. §1.17 or credit for any overpayment to our Deposit Account No. 02-2666. A copy of the Fee Transmittal sheet is enclosed.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

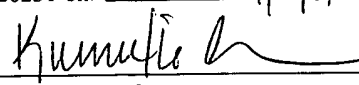


Eric S. Hyman, Reg. No. 30,139

Dated: 4/5/01

12400 Wilshire Blvd., 7th Floor
Los Angeles, California 90025
Telephone: (310) 207-3800

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Kumiko Alexander

4/9/01
Date

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

#3

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

APR 12 2001

Total Number of Pages in This Submission

43

Application Number

09/752,670

Filing Date

December 28, 2000

First Named Inventor

Yeon-Soo Kim

Group Art Unit

Examiner Name

Attorney Docket Number

51876P230

ENCLOSURES (check all that apply)☒ Fee Transmittal Form☒ Fee Attached☐ Amendment / Response☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/Incomplete Application☒ Response to Missing Parts under 37 CFR 1.52 or 1.53☐ Assignment Papers (for an Application)☒ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert a Provisional Application☐ Power of Attorney, Revocation Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to Group☐ Appeal Communication to Board of Appeals and Interferences☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify below):

return postcard; copy of Notice; declaration and power of attorney (2 pages); substitute specification (31 pages)

Remarks

substitute drawings

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name

Eric S. Hyman, Reg. No. 30,139

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Signature

Date

CERTIFICATE OF MAILING

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Typed or printed name

Kumiko Alexander

Signature

Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

#3

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known

Application Number	09/752,670
Filing Date	12/28/00
First Named Inventor	Yeon-Soo Kim, et al.
Examiner Name	
Group Art Unit	
Attorney Docket Number	51876P230

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

☒ Charge Any Additional Fee Required Under 37CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)

2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
9	X		
3	X		

Multiple Dependent Claims

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple Dependent claim	
109	80	209	40	Reissue independent claims over original patent	
110	18	210	9	Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEE

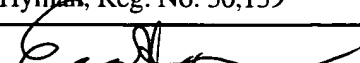
Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	130
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	390	216	195	Extension for response within second month	
117	890	217	445	Extension for response within third month	
118	1,390	218	695	Extension for response within fourth month	
128	1,890	228	945	Extension for response within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidably	
141	1,240	241	620	Petition to revive - unintentionally	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

SUBTOTAL (3) (\$) 130.00

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name	Eric S. Hyman, Reg. No. 30,139	Complete (if applicable)	
Signature		Reg. Number	
Date	4/9/01	Deposit Account User ID	02-2666

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



UNITED STATES PATENT AND TRADEMARK OFFICE

Page 1 of 2
~~SECRET~~ #3
COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/752,670	12/28/2000	Yeon-Soo Kim	51876P230

08791

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR
LOS ANGELES, CA 90025

CONFIRMATION NO. 9383

FORMALITIES LETTER



OC000000005749970

Date Mailed: 02/09/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification in compliance with 37 CFR 1.52 because:
 - The specification cannot be scanned or properly stored. Page(s)

04/13/2001 ETULU1 00000051 09752670

01 FC:105

130.00 00

- Papers must be legibly written either by a typewriter or mechanical printer in permanent ink or its equivalent in portrait orientation on flexible, strong, smooth, non-shiny, durable, and white paper. Application papers must be presented in a form having sufficient clarity and contrast between the paper and the writing thereon to permit the direct reproduction of readily legible copies in any number by use of photographic, electrostatic, photo-offset, and microfilming processes and

electronic reproduction by use of digital imaging and optical character recognition. Pages **All specification pages** are not in compliance with 37 CFR 1.52(a).

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e));

The following item(s) appear to have been **omitted** from the application:

- Figure(s) **Fig. 6** described in the specification.

I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the Patent and Trademark Office (PTO) with the nonprovisional application papers, a copy of this Notice and a petition (and \$130.00 petition fee (37 CFR 1.17(i))) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the PTO.

II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the PTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h))) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the application as deposited in the PTO. **THIS TWO MONTH PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b).** In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the PTO, and original application papers (*i.e.*, the original disclosure of the invention) will include only those application papers present in the PTO on the date of deposit.

In the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the references in the specification to the drawing figures to correspond with any relabelled drawing figures, is required. Any drawing changes should be accompanied by a copy of the drawing figures showing the proposed changes in red ink. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE